

**GOVERNMENT OF THE DISTRICT OF COLUMBIA**  
Department of Energy and Environment

**APPLICATION FOR PERMIT TO CONSTRUCT/OPERATE  
INTERNAL COMBUSTION ENGINE**

**Before completing this application:** Have you considered one of our source category permits? Most emergency engines/generators are eligible for coverage under the expedited source category permitting program. For more information, see the “Source Category Permits” header at: <http://doee.dc.gov/service/apply-air-pollutant-permit> or call (202) 535-1747 for more information.

**I. Facility and Applicant Information**

1. \_\_\_\_\_  
Full Legal Name of Applicant/Organization

2. \_\_\_\_\_  
Type of Organization

3. \_\_\_\_\_  
Name of Owner(s) or Principal Partner(s) of Above Organization

4. \_\_\_\_\_  
Mailing Address of Applicant (No., Street, City, State, Zip)

5. \_\_\_\_\_  
Street Address of Facility (if different from Mailing Address)

6. Owner/Responsible Official Name: \_\_\_\_\_

Owner/Responsible Official Title: \_\_\_\_\_

Phone No. \_\_\_\_\_ E-mail: \_\_\_\_\_

7. Contact Person: \_\_\_\_\_

Contact Person Title: \_\_\_\_\_

Phone No. \_\_\_\_\_ E-mail: \_\_\_\_\_

8. Type of Project:  New Construction       Renewal/Transfer of Existing Permit  
 Initial Permitting of Existing Source

*Note that replacement of an existing source is considered “New Construction”.*

9. For renewal or transfer of coverage from a standard permit, provide the existing permit number and expiration date:

\_\_\_\_\_

# Application for Permit to Construct/Operate Internal Combustion Engine

Page 2

10. Describe the facility at which this equipment will be located:

\_\_\_\_\_

## II. General Equipment Information

1. Equipment Name/Identification: \_\_\_\_\_

2. Engine type:      Reciprocating      Turbine      Other

If "Other", describe: \_\_\_\_\_

3. Fuel type: \_\_\_\_\_ Maximum Fuel Sulfur Content (%): \_\_\_\_\_

4. Rated fuel consumption: \_\_\_\_\_ gal/hr

5. Engine is used for:      Routine operational use      Emergency or back-up use only  
*Note: If the unit is to be used in a load response program or for peak shaving, please check "Routine operational use" and attach an explanation of the use(s) of the unit. Also note that only engines used in emergency or back-up capacities are eligible for coverage under this source category permit.*

If you marked "Emergency or back-up use only", will your engine be required to operate in brown-out episodes (i.e. deviations of voltage or frequency below standard levels from the power grid, but not a full black-out/loss of power)? Yes  No

6. Rated generator electrical output: \_\_\_\_\_ kW/kWe  
*Note: Enter n/a if your engine is not associated with a generator*

7. Maximum engine power: \_\_\_\_\_  HP or  kWm (choose units) @ \_\_\_\_\_ RPM

8. Stack height above ground: \_\_\_\_\_ ft     Inner diameter at exit: \_\_\_\_\_ ft

Exit gas volumetric rate: \_\_\_\_\_ cfm     Gas temperature at exit: \_\_\_\_\_ °F

Distance of stack from nearest property boundary: \_\_\_\_\_ ft

Describe the location of the stack outlet: \_\_\_\_\_

9. Date construction/installation of engine began or is planned to begin: \_\_\_\_\_

10. Date construction/installation of engine completed (if applicable): \_\_\_\_\_

11. Manufacturing Information:

\_\_\_\_\_ Engine Order Date

\_\_\_\_\_ Engine Manufacture Date

\_\_\_\_\_ Engine Model Year

# Application for Permit to Construct/Operate Internal Combustion Engine

Page 3

\_\_\_\_\_  
 Engine Serial Number                      Engine per cylinder displacement    Engine Manufacturer  
 (if available)

\_\_\_\_\_  
 Generator Manufacturer                      Generator Manufacture Date

### III. Emissions

Please complete the following “Potential to Emit” table (except as noted below):

*Note: It is acceptable to provide calculations in an alternate format as an attachment to this application. Please ensure that any submittal provides sufficient information to allow the application reviewer to reproduce the calculations from the source material. Please also ensure that any alternative submittal provides substantially the same information requested in the following table.*

*If potential emissions are provided in an attachment, please check the following box:*

<b>Table: Potential to Emit<sup>1</sup></b>					
<b>Pollutant</b>	<b>Emission Factor<sup>2</sup></b>	<b>Units of Emission Factor<sup>3</sup></b>	<b>Emission Rate (lb/hr)</b>	<b>Maximum Hours Per Year of Operation<sup>4</sup></b>	<b>Maximum Potential Emissions (Tons/yr)</b>
<b>NO<sub>x</sub></b>					
<b>SO<sub>x</sub></b>					
<b>VOC</b>					
<b>CO</b>					
<b>PM<sub>(Total)</sub></b>					

<sup>1</sup> “Potential to Emit” is the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design only if the limitation or the effect it would have on emissions is enforceable as a practical matter. Secondary emissions do not count in determining the potential to emit of a stationary source. [20 DCMR § 199]

<sup>2</sup> The emission factor should reflect the maximum emissions expected from the unit when operating properly.

<sup>3</sup> Examples of commonly used units are lb/hp-hr engine power output and lb/million BTU of heat input.

<sup>4</sup> The default value for this column should be 500 hours per year for emergency engines. If a different value is used, please explain below in the question about operating limitations.

Cite the source(s) of the emission factors: \_\_\_\_\_

\_\_\_\_\_

# Application for Permit to Construct/Operate Internal Combustion Engine

Page 4

Operating limitations:

Are you requesting any additional special operating limitations, such as limits on your potential to emit? Yes  No  If so, please describe:

---

## IV. Notes and Required Attachments

1. Please attach a copy of any EPA Certificate of Conformity applicable to the unit.
2. Please attach a copy of the manufacturer's specifications for the unit and any other appropriate supporting documentation, including the basis for manufacturer-specified emission factors.
3. Please attach a copy of a recent "Certificate of Clean Hands" which can be obtained from [mytax.dc.gov](http://mytax.dc.gov).
4. Deviations from submitted plans and specifications are not permissible without securing formal approval from AQD via an application update request and re-approval, if already approved.
5. Please submit the complete application and applicable supporting documentation online at: <https://octo.quickbase.com/db/brqt582ud> or by scanning the QR code below.



## V. Applicant Certification:

I hereby certify, under penalty of D.C. Official Code § 8-101.05e, that I am authorized to submit this application on behalf of the applicant and that the statements contained herein are true and correct to the best of my knowledge. I further certify that all attached information and previously submitted information referenced in this application remains true, correct, and current, to the best of my knowledge.

Authorized Signature:

\_\_\_\_\_

Owner/Responsible Official Signature

\_\_\_\_\_

Print Name and Title

\_\_\_\_\_

Date

\_\_\_\_\_

Mailing Address of Owner/Responsible Official if Different From I(4) above

**Application for Permit to Construct/Operate Internal Combustion Engine**

Page 5

Report Fraud, Waste, Abuse, and Mismanagement to the District of Columbia Office of the Inspector General.  
Confidential Toll Free Hotline: 1-800-521-1639 or 202-724-TIPS (8477). Email: [hotline.oig@dc.gov](mailto:hotline.oig@dc.gov)