APPLICATION FOR SOURCE CATEGORY PERMIT APPROVAL TO OPERATE AN EXISTING DIESEL-FIRED EMERGENCY ENGINE EXEMPT FROM NSPS SUBPART IIII AND NESHAP SUBPART ZZZZ

Instructions: Please complete a separate copy of this form for each covered generator.

I. **Applicability** (Check all that are applicable)

☐ The equipment consists of a diesel-fired emergency generator set or other natural gas fired emergency engine.

☐ The equipment is stationary (i.e., it will remain in place for greater than 12 months).

☐ The equipment is to be used exclusively for emergency purposes (except maintenance and testing) and will not participate in a voluntary demand reduction program or any other interruptible power supply arrangement with a utility, other market participant, or system operator (demand response).

☐ The equipment will operate for fewer than 500 hours in any given 12 month period for all purposes, combined.

☐ The equipment does not and will not operate for more than 15 hours per calendar year for periods where there is a deviation of voltage or frequency of 5% or greater below standard voltage or frequency.

☐ The equipment's potential to emit (PTE) oxides of nitrogen (NO_x) is less than 25 tons per year (TPY). See the table in Section IV of this application to calculate PTE from this particular unit and sum NO_x emissions from all permit applications related to this project.

☐ Construction of this engine, in combination with any other equipment constructed as part of the same construction project, did not trigger applicability of 20 DCMR 204, Permit Requirements for Major Sources Located in Non-Attainment Areas (New Source Review) at the time of construction. You may check this box if this you checked the previous box and there was no other air pollutant-emitting equipment constructed as part of the same construction project. If other air pollutant-emitting equipment was constructed as part of the same construction project, please perform and submit a full applicability evaluation pursuant to 20 DCMR 204 or contact the Air Quality Division (AQD) at (202) 535-2250 to request further guidance.

☐ The engine has not been modified or reconstructed as defined in 40 CFR 60.14 or 60.15.

☐ The facility at which the unit is located is not a major source of hazardous air pollutant

(HAP) emissions [20 DCMR 399, definition of "Major source", section (a)] (i.e. the facility does not emit more than 10 tons of any individual HAP nor does it emit more than 25 tons of all HAPs combined).

☐ Check this box if none of the following (1 through 3) is true:

1. The model year of the engine is 2007 or later for engines that are not fire pump engines;

2. The engine is for a fire pump and its model year is equal to or newer than those specified in the following table, based on the size of the engine:

Fire Pump Engine Applicability Table		
Engine Power		**Starting Applicability Model Year***
Mechanical Kilowatts (kW_m)	**Horsepower (hp)**	
$kW_m < 75$	hp<100	2011
$75 \leq kW_m < 130$	$100 \leq hp < 175$	2010
$130 \leq kW_m \leq 560$	$175 \leq hp \leq 750$	2009
$kW_m > 560$	hp>750	2008

*Fire pump engines with a maximum engine power greater than or equal to 37 kW_m (50 hp) and less than 450 kW_m (600 hp) and a rated speed of greater than 2,650 revolutions per minute (rpm) are covered by this condition only three years after the model year listed in this table for the applicable power category.

or;

3. The engine was ordered by the owner or operator after July 11, 2005 and one of the following is true:

   A. The engine was manufactured after April 1, 2006 and is not a fire pump engine; or

   B. The engine was manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006;

☐ Check this box if any of the following three items is applicable and indicate (by number) which one is applicable here: _____

1. The engine is an existing residential emergency stationary reciprocating internal combustion engine (RICE) [See 40 CFR 63.6585(f)(1) and 40 CFR 63.6590];

2. The engine is an existing commercial emergency stationary RICE [See 40 CFR 63.6585(f)(2) and 40 CFR 63.6590]; or

3. The engine is an existing institutional emergency stationary RICE [See 40 CFR 63.6585(f)(3) and 40 CFR 63.6590].

☐ The equipment will be operated in compliance with the "Source Category Permit to Operate Existing Stationary Diesel-Fired Emergency Engines Exempt from NSPS Subpart JJJJ and NESHAP Subpart ZZZZ".

If you have checked all of the boxes above, you are eligible to apply for coverage under this source category permit. Please complete the remainder of this form. Note that your coverage under this source category permit is still subject to AQD approval. AQD may deny approval under this permit if it deems that further review is necessary due to special or unique circumstances related to a given application. Approval will occur either by active acknowledgement by AQD or by passive approval which will occur 45 days after submission of the complete application to AQD unless AQD objects to the approval in writing in that time.

If you are not eligible for coverage under this source category permit, you may still be eligible for a standard source-specific permit. Please contact AQD at (202) 535-2250 to discuss alternate permitting options or check the AQD website (http://doee.dc.gov/air) for the appropriate application forms.

If you have questions about your eligibility or how to complete this application, please contact AQD at (202) 535-2250.

II. 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:

   _____

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

III. General Equipment Information

1. Equipment Name/Identification: _____

2. Engine type: ☐ Reciprocating ☐ Turbine ☐ Other

   If "Other", describe: _____

3. Fuel type: _____

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.

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

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
Engine Serial Number (if available)	Engine per cylinder displacement	Engine Manufacturer
Generator Manufacturer	Generator Manufacture Date	

IV. 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: ☐

Table: Potential to Emit[1]					
Pollutant	**Emission Factor[2]**	**Units of Emission Factor[3]**	**Emission Rate (lb/hr)**	**Maximum Hours Per Year of Operation[4]**	**Maximum Potential Emissions (Tons/yr)**
NO_x					
SO_x					
VOC					
CO					
$PM_{(Total)}$					

[1] "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]
[2] The emission factor should reflect the maximum emissions expected from the unit when operating properly.
[3] Examples of commonly used units are lb/hp-hr and lb/million BTU of heat input.
[4] The default value for this column should be 500 hours per year for emergency engines. If a different value is used, you are not eligible for coverage under this source category permit so you should seek a standard unit-specific permit.

Cite the source(s) of the emission factors:

V. Notes and Required Attachments

1. Please attach a copy of the manufacturer's specifications for the unit (whenever they can be obtained) and any other appropriate supporting documentation, including the basis for manufacturer-specified emission factors.

2. 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. If an application update is submitted, the 45 day passive approval period will re-set as of the date of submission of the revised application.

3. The complete application and applicable supporting documentation must be submitted to the following address:

   Branch Chief, Permitting Branch
   Air Quality Division
   1200 First Street NE, 5th Floor
   Washington, DC 20002

VI. 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 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 II.4 above

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