

## INTERNAL COMBUSTION ENGINE (ICE) APPLICATION INSTRUCTIONS

### How to Complete this Application

Only use this application if the facility contains a single, standalone internal combustion engine (ICE), and no other equipment or processes. If the facility contains any other equipment and/or processes that emit any criteria pollutants and/or hazardous air pollutants in excess of the permitting thresholds, complete and submit an *Application for a Minor Source Authority to Construct/Permit to Operate* instead.

- The application must have an **original wet-ink signature** by the Responsible Official. Responsible Official is defined in [DBOH Regulations Governing Air Quality Management 010.1305](#):  
“a Corporation’s Chairman, Chief executive officer, president, vice president in charge of a principal business function, secretary, treasurer or designated environmental representative of a corporation responsible for overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and approved in advance by the Control Officer; a general partner in a partnership; the proprietor of a sole-proprietorship; or the principal executive officer or ranking elected official of a public agency. For sources subject to Title IV of the act, the responsible official shall be the representative who meets the requirements promulgated in 40 CFR Part 72.”
- The application and payment should be hand delivered to the AQMD drop box located ([here](#)), or mailed to NNPH, AQMD 1001 E. Ninth Street, Suite B171, Reno, NV 89512
- For the purpose of determining whether a facility needs a Minor Source Permit, the AQMD will calculate its potential to emit (PTE) using 8,760 hours of operation for all continuous-duty engines and 500 hours of operation for emergency equipment.
- Emergency equipment for which these units are not the primary power supply, such as emergency generators and emergency fire pumps, will include operations due to testing, maintenance, and emergencies. The AQMD will limit the maximum operating hours for testing and maintenance to the limits specified in any applicable NSPS or NESHAP (e.g., 100 hrs/yr).
- For continuous-duty equipment for which these units are the primary power supply, the AQMD will calculate a facility’s permitted PTE using 8,760 hours per year unless the emission unit is physically or voluntarily limited.
- **More detailed instructions can be found on page 7.**

### Fees and Payments

- A **fee of \$349** must be submitted with this application. The Air Quality Management Division fee schedule can be found here: <https://www.washoecounty.gov/health/resources/fees/air-quality-management-fees.php>
- The application fee invoice must be paid in full before the application is processed. All outstanding invoices for the facility and associated with the parent company of the facility must be paid in full; otherwise, the AQMD cannot issue the facility any permits. This includes the invoice for the permit fees resulting from this application.
- Invoices must be paid by check, money order, or credit card. Make checks and money orders payable to Northern Nevada Public Health, Air Quality Management Division or NNPH, AQMD. For payment with a credit card, the applicant will be notified by email once the invoice is ready for payment. Payment may be made with a credit card by following the instructions ([here](#)), or by calling the AQMD at 775.784.7200 Option 0 Monday-Friday 8am-4pm.

### Assistance and Resources

The Business Environmental Program, operated through the University of Nevada, is a free and confidential program designed to help small businesses in Washoe County comply with local and federal environmental regulations. This service may be contacted at 800.882.3233 or [help@unrbep.org](mailto:help@unrbep.org). The Business Environmental Program may provide information on completing this air quality application. They can also provide assistance in reviewing options for emission control equipment and submitting annual emissions.

Visit this link to learn more about working with BEP: <https://unrbep.org/about-bep/working-with-bep/>

- District Board of Health Regulations Governing Air Quality Management:  
<https://www.washoecounty.gov/health/programs-and-services/air-quality/regulations/index.php>
- The Air Quality Management Division Permitting Department can be contacted at 775.784.7200 Option 6 or [AQMDPermitting@NNPH.org](mailto:AQMDPermitting@NNPH.org).



**FOR AQMD USE ONLY**

# INTERNAL COMBUSTION ENGINE (ICE) APPLICATION

Permit No.:

## Facility Information

1. New Permit		Permit Modification		2. Existing facilities only. Permit Number:	
3. Facility Name:				4. NAICS:	
5. Facility Address:				APN:	
City:		State:		ZIP Code:	
6. Facility latitude and longitude coordinates:					
7. Is the facility located within 1,000 feet of the outer boundary of a school, hospital, or residential area?    Yes    No					
8. Operating Schedule:		Hours Per Day:		Days Per Week:	
				Weeks Per Year:	
9. On-Site Contact Name:			Title:		
Phone Number:			Fax Number:		
Email:					
<b>Optional (#10-#12).</b> If there are records required under the operating permit, and they will be kept at a location other than the facility, specify the location:					
10. Facility Name:					
11. Facility Address:					
City:		State:		ZIP Code:	
12. On-Site Contact Name:			Title:		
Phone Number:			Fax Number:		
Email:					

## Company Information (all fields must be completed)

13. Existing facilities only. Has the company ownership changed?    Yes    No    N/A If "Yes", submit an <i>Application for Change of Ownership</i> and Fee, in addition to this application.					
14. Legal Company Name (as registered with the State of Nevada):					
15. Mailing Information:					
Mailing Address:					
City:		State:		ZIP Code:	
Permitting Contact Name:			Title:		
Phone Number:			Fax Number:		
Email:					

<b>16. Billing Information:</b>		
Billing Address:		
City:	State:	ZIP Code:
Billing Contact Name:		Title:
Phone Number:		Fax Number:
Email:		
<b>Responsible Official Information</b>		
Name of Responsible Official (as defined in <a href="#">DBOH Regulations Governing Air Quality Management 010.1305</a> ):		
Title:		
Phone Number:		Fax Number:
Email:		
Mailing Address:		
City:	State:	ZIP Code:
<b>Facility Manager/Environmental Representative (Optional)</b>		
Name:		Title:
Phone Number:		Fax Number:
Email:		
Mailing Address:		
City:	State:	ZIP Code:
<b>Engine Specifications</b>		
17. Engine Manufacturer:		18. Date of Engine Manufacture:
19. Engine Model No.:		20. Engine Serial No.:
21. Engine Power Rating:      (hp) @      RPM		
22. Date Engine Ordered:		23. Date of Installation:
24. No. of Cylinders:		25. Displacement:      liters <u>OR</u> in <sup>3</sup>
26. Check ALL configurations that apply to this engine:      Continuous-duty <u>OR</u> Emergency Spark Ignition <u>OR</u> Compression Ignition Two Cycle <u>OR</u> Four Cycle Lean Burn <u>OR</u> Rich Burn		
27. Fuel Type:      Natural Gas      Diesel      Propane/LPG      Other (specify):		
28. Maximum hours of operation per year:		

**Equipment Specifications**

29. Check ONE option below that best describes the equipment receiving power from the engine:  
 Generator      Fire Pump      Other (specify):

30. Equipment Manufacturer:

31. Equipment Output Rating:              kW (If not kW, specify unit):

32. Equipment Model No.:

33. Equipment Serial No.:

**Engine Emissions Data**

34. List the emission data for this unit for particulate matter under 10 microns (PM<sub>10</sub>), particulate matter under 2.5 microns (PM<sub>2.5</sub>), nitrogen oxides (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), carbon monoxide (CO), and volatile organic compounds (VOCs). Greenhouse gas (GHG) emissions (calculated in CO<sub>2</sub>e) are only required for sources subject to major New Source Review and/or Title V.

Pollutant	Emissions Rate	Units (check one)
PM <sub>10</sub> /PM <sub>2.5</sub>		g/bhp-hr <u>OR</u> g/kW-hr
NO <sub>x</sub>		g/bhp-hr <u>OR</u> g/kW-hr
SO <sub>2</sub>		g/bhp-hr <u>OR</u> g/kW-hr
CO		g/bhp-hr <u>OR</u> g/kW-hr
VOC		g/bhp-hr <u>OR</u> g/kW-hr
GHG		g/bhp-hr <u>OR</u> g/kW-hr

35. Check ALL sources of emissions data referenced above and note for which pollutant(s):

Manufacturer's Guarantee. Pollutant(s):

Source Test. Pollutant(s):

AP-42 (if no other data available). Pollutant(s):

36. Specify the air pollution control methods used with the engine:

**Application Description**

Describe the equipment being proposed in the application and how it relates to the facility functions. Include information that helps describe what the facility does. Describe how and where the facility will be monitoring throughput to show compliance. Specify the actual or projected date equipment will be fully constructed and ready for use.

## Regulation Applicability

37. [40 CFR Part 60, Subpart IIII](#): Is the engine subject to this regulation and/or applicable to the paragraph in this section?    Yes    No

The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator. (1) Manufacturers of stationary CI ICE with a displacement of less than 30 liters per cylinder where the model year is: (i) 2007 or later, for engines that are not fire pump engines; (ii) The model year listed in Table 3 to this subpart or later model year, for fire pump engines; (2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are: (i) Manufactured after April 1, 2006, and are not fire pump engines, or (ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006; (3) Owners and operators of any stationary CI ICE that are modified or reconstructed after July 11, 2005 and any person that modifies or reconstructs any stationary CI ICE after July 11, 2005; (4) The provisions of § 60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

38. [40 CFR Part 60, Subpart JIII](#): Is the engine subject to this regulation and/or applicable to the paragraph in this section?    Yes    No

The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator. (1) Manufacturers of stationary SI ICE with a maximum engine power less than or equal to 19 kilowatt (KW) (25 horsepower (HP)) that are manufactured on or after July 1, 2008; (2) Manufacturers of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) that are gasoline fueled or that are rich burn engines fueled by liquefied petroleum gas (LPG), where the date of manufacture is: (i) On or after July 1, 2008; or (ii) On or after January 1, 2009, for emergency engines; (3) Manufacturers of stationary SI ICE with a maximum engine power greater than 19 kW (25 HP) that are not gasoline fueled and are not rich burn engines fueled by LPG, where the manufacturer participates in the voluntary manufacturer certification program described in this subpart and where the date of manufacture is: (i) On or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP), (ii) On or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP, (iii) On or after July 1, 2008, for engines with a maximum engine power less than 500 HP, or (iv) On or after January 1, 2009, for emergency engines; (4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured: (i) On or after July 1, 2007, for engines with a maximum engine power greater than or equal to 500 HP (except lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP), (ii) on or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP, (iii) on or after July 1, 2008, for engines with a maximum engine power less than 500 HP, or (iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 kW (25 HP); (5) Owners and operators of stationary SI ICE that are modified or reconstructed after June 12, 2006, and any person that modifies or reconstructs any stationary SI ICE after June 12, 2006; (6) The provisions of § 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

39. **40 CFR Part 63, Subpart ZZZZ:** Is the engine subject to this regulation and/or applicable to the paragraph in this section?    Yes    No

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand; (a) A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. Stationary RICE differ from mobile RICE in that a stationary RICE is not a non-road engine as defined at 40 CFR 1068.30, and is not used to propel a motor vehicle or a vehicle used solely for competition; (b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site; (c) An area source of HAP emissions is a source that is not a major source; (d) If you are an owner or operator of an area source subject to this subpart, your status as an entity subject to a standard or other requirements under this subpart does not subject you to the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable; (e) If you are an owner or operator of a stationary RICE used for national security purposes, you may be eligible to request an exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C; (f) The emergency stationary RICE listed in paragraphs (f)(1) through (3) of this section are not subject to this subpart. The stationary RICE must meet the definition of an emergency stationary RICE in § 63.6675, which includes operating according to the provisions specified in § 63.6640(f); (1) Existing residential emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii); (2) Existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii); (3) Existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in § 63.6640(f)(4)(ii).

***Attach a manufacturer's specification sheet.***

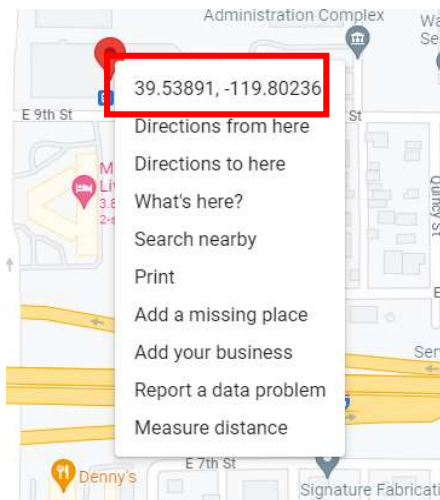
**All information above this line is required for this form to be considered complete.**

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## DETAILED APPLICATION INSTRUCTIONS

### Facility Information

1. Specify if the application is for a new permit or for modification of an existing permit by checking the appropriate box.
2. **Existing facilities only.** Provide the permit number, which can be found at the top of page 1 of the existing Permit to Operate (ex., AAIRXX-XXXX).
3. Provide the facility name as you'd like it to appear on the permit. If a permit already exists for this operation, enter the name as it appears on the existing permit, which can be found at the top of page 1 of the existing Permit to Operate where it says, "Permit Issued To".
4. Provide the North American Industry Classification System (NAICS) code for the company. NAICS is a self-assigned system, meaning no one assigns you a NAICS code. This means that the facility should select the code that best depicts their primary business activity. A listing of NAICS codes can be found at, [census.gov/naics/](https://www.census.gov/naics/).
5. Provide the address for the facility.
6. Provide the latitude and longitude coordinates for the facility. These coordinates uniquely identify geographic positions. To find these coordinates, go to [Google Maps](https://www.google.com/maps/) and search for the address of the facility. Then, right click on the facility location on the map. A box will appear with the facility coordinates as shown below. The values should be written as shown (39.53891, -119.80236).



7. Specify if the facility is located within 1,000 feet of the outer boundary of a school, hospital, or residential area.
8. Specify the operating schedule of the facility in hours per day, days per week, and weeks per year.
9. Provide the on-site contact's name, title, phone and fax numbers, and email.
- 10-12. **Optional.** If there are records required under the operating permit, and they will be kept at a location other than the facility, specify the location. Provide the facility name, street address, city, state, and ZIP Code. Also provide the name, title, phone and fax numbers, and email of the on-site contact.

**Company Information. All fields in this section must be completed even if information is the same (ex. billing address is the same as the mailing address).**

13. **For existing facilities only.** Specify if the company ownership has changed. If "Yes", submit an *Application for Change of Ownership* and Fee, in addition to this application.
14. Provide the legal company name, as registered with the State of Nevada. Nevada's Business Portal, Silver Flume, can be accessed at <https://www.nvsilverflume.gov/home>.
15. Facility Mailing Information.  
Provide the facility mailing address, permitting contact name, title, phone and fax numbers, and email address.
16. Facility Billing Information.  
Provide the facility billing address, billing contact name, title, phone and fax numbers, and email address.

**Responsible Official Information**

Provide the name, title, phone and fax numbers, email, and mailing address of the Responsible Official. A Responsible Official is defined as:

*“a Corporation’s Chairman, Chief executive officer, president, vice president in charge of a principal business function, secretary, treasurer or designated environmental representative of a corporation responsible for overall operation of one or more manufacturing, production or operating facilities applying for or subject to a permit and approved in advance by the Control Officer; a general partner in a partnership; the proprietor of a sole-proprietorship; or the principal executive officer or ranking elected official of a public agency. For sources subject to Title IV of the act, the responsible official shall be the representative who meets the requirements promulgated in 40 CFR Part 72.”* ([DBOH Regulations Governing Air Quality Management 010.1305](#))

**Facility Manager/Environmental Representative Information (Optional)**

Provide the name, title, phone and fax numbers, email address, and mailing address for the facility Plant Manager or Environmental Representative.

**Environmental Consultant Information (Optional)**

By identifying a consultant, the RO consents that such consultant has the authority to communicate directly with the AQMD for the limited purpose of providing supplemental information and comments in support of the information already provided by the RO in the application. The RO acknowledges that any change to, or withdrawal of the application must be done by the RO.

Provide the name, title, phone and fax numbers, email, and mailing address of the Environmental Consultant.

**Engine Specifications**

- 17-20. Specify the engine manufacturer, date of manufacture, engine model number, and engine serial number.
- 21. Specify the engine power rating.
- 22. Specify the order date of the engine.
- 23. Specify the installation date of the engine.
- 24. Specify the number of cylinders in the engine.
- 25. Specify the displacement of the engine.
- 26. Specify all the configurations that apply to the engine.
- 27. Specify the fuel(s) that will be combusted in the engine.
- 28. Specify the maximum hours of operation per year. If it is not 8,760 hours, the maximum will be an operational limit in the permit. Emergency units will be evaluated at 500 hours of operation per year.

**Equipment Specifications**

- 29. Specify the equipment receiving power from the engine. Select ONE option.
- 30-33. Specify the manufacturer, power rating, model number, and serial number of the equipment that receives power from the engine.

**Engine Emissions Data**

- 34. Specify the emissions data for the engine for all the pollutants listed. Only Major Source NSR or Title V sources are required to provide GHG emission rate. If the emission rate is calculated using AP-42 emission factors, no verification is required.
- 35. Specify all sources of emissions data, and for which pollutants.
- 36. Specify the method of air pollution control used with the engine.

**Application Description**

Describe the equipment being proposed in the application and how it relates to the facility functions. Include information that helps describe what the facility does. Describe how and where the facility will be monitoring throughput to show compliance. Specify the actual or projected date equipment will be fully constructed and ready for use. For existing facilities, make sure to describe any revisions or modifications being requested.

**Regulation Applicability**

- 37-39. Specify which of the (3) regulations apply to the engine, according to engine type and when construction commenced.